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Efficient Energy Grids for Smart Cities

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Deadline for manuscript submissions:

closed (30 November 2020)

Message from the Guest Editors

The efficiency of the energy networks concerns different aspects, including the recovery of waste heat and cold in urban areas, the adoption of optimal control strategies, and the integration of different energy grids (thermal, electrical, gas). This is a key issue and involves two further aspects: combined heat and power generation, and optimal coupling between networks and users.

Other specific related topics addressed by this Special Issue include:

- Integration of renewables in urban energy networks (conversion and management of heat or electricity from renewable sources through integrated smart grids);
- Planning and modelling of urban energy grids (networks modeling, design, and management through innovative calculation tools);
- Waste energy recovery in urban areas and from energy networks (including power generation in NG pressure reduction stations and cold recuperation from LNG regasification).

This Special Issue aims to collect works that look at these issues and at this strategy. Papers submitted for the Special Issue may be research papers (theoretical and experimental), reviews, or analyses of case studies.



mdpi.com/si/32108

Special Issue



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Message from the Editor-in-Chief

Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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Journal Rank: CiteScore - Q1 (*Engineering (miscellaneous)*)

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